



Author Index to Volume 370

- Adamo, M., see Melani, F. 370 (2003) 280
Ade, H., see Schöll, A. 370 (2003) 834
Althorpe, S.C., Plane wave packet study of direct and time-delayed mechanisms in the
F + HD reaction 370 (2003) 443
Ambika, R., see Das, B.B. 370 (2003) 670
Anderson, H.L., see Drobizhev, M. 370 (2003) 690
Anusiewicz, I. and P. Skurski, Shape resonance of the ethylene anion stabilized in a
molecular trap 370 (2003) 345
Arnold, A., see Wang, W. 370 (2003) 88
Arteca, G.A., K. Veluri and O. Tapia, Pathways for folding and re-unfolding
transitions in denatured conformations of anhydrous proteins 370 (2003) 555
Avramopoulos, A., M.G. Papadopoulos and A.J. Sadlej, Strong interactions through
the X...Au–Y bridge: the Au bond? 370 (2003) 765
Avramov, P.V., K.N. Kudin and G.E. Scuseria, Single wall carbon nanotubes density
of states: comparison of experiment and theory 370 (2003) 597

Bacskay, G.B., see Owens, N.L. 370 (2003) 469
Bai, C.-L., see Su, G.-J. 370 (2003) 268
Bai, S., see Yang, Q.H. 370 (2003) 274
Bai, J.B., see Yang, Q.H. 370 (2003) 274
Bai, C., see Kang, S.-Z. 370 (2003) 542
Bakker, H.J., see Kropman, M.F. 370 (2003) 741
Balfour, W.J., see Jensen, R.H. 370 (2003) 106
Ballester, P., see Garau, C. 370 (2003) 7
Bando, Y., see Ma, R. 370 (2003) 770
Baranovski, V.I. and O.O. Lubimova, Nonradiative relaxation from ³MLCT excited
states of Re(I), Ru(II) and Os(II) complexes: Franck–Condon factors from quantum
chemical calculations 370 (2003) 636
Baronavski, A.P., see Zhong, Q. 370 (2003) 609
Bässler, M., see Hjelte, I. 370 (2003) 781
Baumann, F., see Wehner, S. 370 (2003) 126
Belletête, M., see Tirapattur, S. 370 (2003) 799
Belov, S.P., B.A. McElmurry, R.R. Lucchese, J.W. Bevan and I. Leonov, Testing the
morphed potential of Ar:HBr using frequency and phase stabilized FASSST with a
supersonic jet 370 (2003) 528
Bentz, J.L., F. Niroomand Hosseini and J.J. Kozak, Influence of geometry on light
harvesting in dendrimeric systems 370 (2003) 319
Bevan, J.W., see Belov, S.P. 370 (2003) 528

- Binning Jr., R.C., see Ishikawa, Y. 370 (2003) 490
Björneholm, O., see Hjelte, I. 370 (2003) 781
Bjerring, M. and N.C. Nielsen, Solid-state NMR heteronuclear dipolar recoupling using off-resonance symmetry-based pulse sequences 370 (2003) 496
Bonaccini, C., see Melani, F. 370 (2003) 280
Bonelli, B., see Otero Areán, C. 370 (2003) 631
Bonincontro, A., S. Marchetti, G. Onori and A. Santucci, Complex formation between DNA and dodecyl-dimethyl-amine-oxide induced by pH 370 (2003) 387
Bonn, M., see Roke, S. 370 (2003) 227
Boschloo, G. and A. Hagfeldt, Photoinduced absorption spectroscopy of dye-sensitized nanostructured TiO₂ 370 (2003) 381
Botek, E. and B. Champagne, Effective molecular polarizabilities and hyperpolarizabilities in all-*trans* hexatriene clusters 370 (2003) 197
Bottle, S.E., see Ishii, K. 370 (2003) 94
Bourdelaude, J.L., see Galletero, M.S. 370 (2003) 829
Brar, V.W., see Corio, P. 370 (2003) 675
Brulin, Q., see Jundt, G. 370 (2003) 504
Bu, Y., see Sun, L. 370 (2003) 616
Buchachenko, A.A., see Tscherbul, T.V. 370 (2003) 563
Buchholz, A., see Wang, W. 370 (2003) 88
Buendá, E., see Gálvez, F.J. 370 (2003) 327
Burghardt, B., see Merlitz, H. 370 (2003) 68
- Calderoni, G., F. Cargnoni and M. Raimondi, An ab initio investigation of the He–H₂O complex 370 (2003) 233
Cametti, C., R. D'Amato, A. Furlani and M.V. Russo, Dynamic light scattering and optical absorption study of poly(monosubstituted)acetylene polymers and copolymers 370 (2003) 602
Cargnoni, F., see Calderoni, G. 370 (2003) 233
Carter, S., see Léonard, C. 370 (2003) 360
Chaâbane, N., see Jundt, G. 370 (2003) 504
Champagne, B., see Botek, E. 370 (2003) 197
Chattopadhyay, S., see Mohanty, J. 370 (2003) 641
Chen, B., see Peng, H. 370 (2003) 485
Chen, D., see Shen, G. 370 (2003) 334
Chen, J.M., S.J. Liu, J.M. Lee, I.P. Hong, J.-Y. Lin, Y.S. Gou and H.D. Yang, Pr-induced superconductivity suppression in Y_xPr_{1-x}Ba₂Cu₄O₈ probed by soft-X-ray absorption spectroscopy: a comparative studies of Y_xPr_{1-x}Ba₂Cu₄O₈ and Y_xPr_{1-x}Ba₂Cu₃O₇ 370 (2003) 180
Chen, L.C., see Dhara, S. 370 (2003) 254
Chen, K.H., see Dhara, S. 370 (2003) 254
Chen, H., see Yang, Y. 370 (2003) 1
Cheng, H.M., see Yang, Q.H. 370 (2003) 274
Cheng, L.F., see Sun, X.H. 370 (2003) 425
Cheng, L.F., see He, P. 370 (2003) 795
Chin, M.L.S., see Futami, Y. 370 (2003) 460
Chiou, C.-S., see Chou, P.-T. 370 (2003) 747
Chou, S.G., see Corio, P. 370 (2003) 675

- Chou, P.-T., see Hu, W.-P. 370 (2003) 139
- Chou, P.-T., C.-S. Chiou, W.-S. Yu, G.-R. Wu and T.-H. Wei, Studies of the triplet state of the proton-transfer tautomer in salicylaldehydes 370 (2003) 747
- Chou, P.-H., see Hu, W.-P. 370 (2003) 139
- Coker, D.F., see Cubero, D. 370 (2003) 21
- Corio, P., P.S. Santos, V.W. Brar, Ge.G. Samsonidze, S.G. Chou and M.S. Dresselhaus, Potential dependent surface Raman spectroscopy of single wall carbon nanotube films on platinum electrodes 370 (2003) 675
- Costa, A., see Garau, C. 370 (2003) 7
- Coussan, S., C. Manca, Y. Ferro and P. Roubin, UV and IR photoisomerizations of an intramolecularly H-bonded molecule: acetylacetone trapped in nitrogen matrix 370 (2003) 118
- Cremer, D., see Filatov, M. 370 (2003) 647
- Cubero, D., N. Quirke and D.F. Coker, Electronic states for excess electrons in polyethylene compared to long-chain alkanes 370 (2003) 21
- Custodio, R., see Pavão, A.C. 370 (2003) 789
- Dai, S., see Yang, Y. 370 (2003) 1
- D'Amato, R., see Cametti, C. 370 (2003) 602
- Danielsson, J. and A. Laaksonen, Gas phase photoisomerization of urocanic acid – a theoretical study 370 (2003) 625
- Das, B.B. and R. Ambika, EPR and IR studies on the local structure of 80MoO₃–20B₂O₃ glass 370 (2003) 670
- Daturi, M., see Hadjiivanov, K. 370 (2003) 712
- Daul, C., see Weber, V. 370 (2003) 99
- Deng, G., see Kang, S.-Z. 370 (2003) 542
- Dessent, C.E.H. and C. Rigby, Exploring the microscopic solvation of doubly charged anions: symmetric or asymmetric solvation in the CO₂–(CH₂)₄–CO₂^{2–} · (H₂O)₂ dicarboxylate dianion cluster? 370 (2003) 52
- Deyà, P.M., see Garau, C. 370 (2003) 7
- Dhara, S., R. Kesavamoorthy, P. Magudapathy, M. Premila, B.K. Panigrahi, K.G.M. Nair, C.T. Wu, K.H. Chen and L.C. Chen, Quasi-quenching size effects in gold nanoclusters embedded in silica matrix 370 (2003) 254
- Dong, J., L. Miao and M. Zhou, Matrix infrared spectra and density functional calculations of the Cu(C₂H₂)₂ and CuCO(C₂H₂) molecules 370 (2003) 240
- Dresselhaus, M.S., see Corio, P. 370 (2003) 675
- Driehuys, B., see Jacob, R.E. 370 (2003) 261
- Drobizhev, M., A. Karotki, M. Kruk, A. Krivokapic, H.L. Anderson and A. Rebane, Photon energy upconversion in porphyrins: one-photon hot-band absorption versus two-photon absorption 370 (2003) 690
- Drolet, N., see Tirapattur, S. 370 (2003) 799
- Du, D., see Wang, T. 370 (2003) 842
- Durocher, G., see Tirapattur, S. 370 (2003) 799
- Eckern, U., see Schwingenschlögl, U. 370 (2003) 719
- Eichler, A., see Hirsimäki, M. 370 (2003) 247
- Eyert, V., see Schwingenschlögl, U. 370 (2003) 719

- Fan, Q., see Kang, S.-Z. 370 (2003) 542
Farrow, R.L., see Settersten, T.B. 370 (2003) 204
Ferro, Y., see Coussan, S. 370 (2003) 118
Filatov, M. and D. Cremer, Relativistically corrected geometries obtained with analytical gradients: normalized elimination of the small component using an effective potential 370 (2003) 647
Fink, R., see Schöll, A. 370 (2003) 834
Fougère, S.G., see Jensen, R.H. 370 (2003) 106
Fournier, T., see Yang, Q.H. 370 (2003) 274
Freude, D., see Loeser, T. 370 (2003) 32
Frontera, A., see Garau, C. 370 (2003) 7
Furlani, A., see Cametti, C. 370 (2003) 602
Futami, Y., M.L.S. Chin, S. Kudoh, M. Takayanagi and M. Nakata, Conformations of nitro-substituted spiropyran and merocyanine studied by low-temperature matrix-isolation infrared spectroscopy and density-functional-theory calculation 370 (2003) 460

Gai, F., see Wang, T. 370 (2003) 842
Galletero, M.S., H. García and J.L. Bourdelande, Dramatic persistence (minutes) of the triplet excited state and efficient singlet oxygen generation for C₆₀ incorporated in Y zeolite and MCM-41 silicate 370 (2003) 829
Gálvez, F.J., E. Buendía and A. Sarsa, Electron pair properties for the helium atom from explicitly correlated wave functions 370 (2003) 327
Gao, X., T. Hu, L. Liu and Z. Guo, Self-assembly of modified carbon nanotubes in toluene 370 (2003) 661
Gao, H., Z. Zhou and Z. Yu, Statement to: "Studies on density function theory for the F⁻ + CF₃SO₃CF₂CF₃S_N2 reaction" [Chem. Phys. Lett. 364 (2002) 18] 370 (2003) 302
Garau, C., D. Quiñero, A. Frontera, A. Costa, P. Ballester and P.M. Deyà, s-Tetrazine as a new binding unit in molecular recognition of anions 370 (2003) 7
García, H., see Galletero, M.S. 370 (2003) 829
Garrone, E., see Otero Areán, C. 370 (2003) 631
Garzón, I.L., see Michaelian, K. 370 (2003) 654
Güttler, A., see Zecho, T. 370 (2003) 366
Gojny, F.H., J. Nastalczyk, Z. Roslaniec and K. Schulte, Surface modified multi-walled carbon nanotubes in CNT/epoxy-composites 370 (2003) 820
Gou, Y.S., see Chen, J.M. 370 (2003) 180
Gratteri, P., see Melani, F. 370 (2003) 280
Gray, J.A., see Settersten, T.B. 370 (2003) 204
Guo, Z., see Gao, X. 370 (2003) 661
Guo, F. and Z.Y. Shih, Low-lying two-photon excitations in poly(*p*-phenylene vinylene) and its derivatives 370 (2003) 572

Hadjiivanov, K., E. Ivanova, M. Daturi, J. Saussey and J.-C. Lavalley, Nitrosyl complexes on Co-ZSM-5: an FTIR spectroscopic study 370 (2003) 712
Hager, G.D., see Wisniewski, C.F. 370 (2003) 591
Hagfeldt, A., see Boschloo, G. 370 (2003) 381
Halas, S., Ionization potential of large metallic clusters: explanation for the electrostatic paradox 370 (2003) 300
Hamasaki, Y., see Kubota, T. 370 (2003) 813

- Handy, N.C., see Léonard, C. 370 (2003) 360
- Hao, X.-Y., Z.-R. Li, D. Wu, Z.-S. Li and C.-C. Sun, The interaction between trapped electron and water molecules in one interior structure of water tetramer anion 370 (2003) 665
- Haworth, N.L., see Owens, N.L. 370 (2003) 469
- He, J., see Ma, G. 370 (2003) 293
- He, P., S.D. Wang, W.K. Wong, L.F. Cheng, C.S. Lee, S.T. Lee and S.Y. Liu, Vibrational analysis of oxygen-plasma treated indium tin oxide 370 (2003) 795
- Heaven, M.C., see Tschumper, G.S. 370 (2003) 418
- Hewett, K.B., see Wisniewski, C.F. 370 (2003) 591
- Hirsimäki, M., P. Junell, M. Valden and A. Eichler, Adsorption dynamics of CO on Pd(110): energy dependence, structure insensitivity and the role of the surface electronic structure 370 (2003) 247
- Hjelte, I., M.N. Piancastelli, C.M. Jansson, K. Wiesner, O. Björneholm, M. Bässler, S.L. Sorensen and S. Svensson, Evidence of ultra-fast dissociation in ammonia observed by resonant Auger electron spectroscopy 370 (2003) 781
- Hla, S.-W., G. Meyer and K.-H. Rieder, Selective bond breaking of single iodobenzene molecules with a scanning tunneling microscope tip 370 (2003) 431
- Hollars, C.W., S.M. Lane and T. Huser, Controlled non-classical photon emission from single conjugated polymer molecules 370 (2003) 393
- Hong, I.P., see Chen, J.M. 370 (2003) 180
- Honvault, P. and J.-M. Launay, Dynamics of the $S(^1D) + H_2 \rightarrow SH + H$ reaction: a quantitative description using an accurate quantum method 370 (2003) 371
- Hosomi, N., see Kubota, T. 370 (2003) 813
- Hu, J.Q., see Meng, X.M. 370 (2003) 825
- Hu, T., see Gao, X. 370 (2003) 661
- Hu, W.-P., R.-M. You, S.-Y. Yen, F.-T. Hung, P.-H. Chou and P.-T. Chou, Dynamics of ground-state reverse proton transfer in the 7-azaindole/carboxylic acid systems 370 (2003) 139
- Huang, S., see Peng, H. 370 (2003) 485
- Hughes, J.L., see Riesen, H. 370 (2003) 26
- Hung, F.-T., see Hu, W.-P. 370 (2003) 139
- Hunger, M., see Wang, W. 370 (2003) 88
- Huser, T., see Hollars, C.W. 370 (2003) 393
- Hyun, B.-R. and E.L. Quitevis, Low-frequency spectrum of homeotropically aligned liquid crystals: optical heterodyne-detected Raman-induced Kerr effect spectroscopy of 4-octyl-4'-cyanobiphenyl 370 (2003) 725
- Ikeda, T., K. Nagayoshi and K. Kitaura, Ab initio MO based lattice energy for molecular crystals: packing structure of electron donor-acceptor (EDA) complex H_3N-BF_3 370 (2003) 218
- Ikegami, T., see Ishikawa, Y. 370 (2003) 490
- Inoue, H., see Kurita, N. 370 (2003) 161
- Ishii, K., S.E. Bottle, S. Shimizu, C.D. Smith and N. Kobayashi, The excited multiplet states of 5,10,15-tri-*n*-pentyl-20-(1',1',3',3'-tetramethylisoindolin-2'-yloxyl-5'-yl)porphyrinato zinc(II) 370 (2003) 94
- Ishikawa, Y., T. Ikegami and R.C. Binning Jr., Direct ab initio molecular dynamics study of $C^+ + H_2O$: angular distribution of products and distribution of product kinetic energies 370 (2003) 490
- Ito, H., see Namiki, K.C. 370 (2003) 62

- Ivanova, E., see Hadjiivanov, K. 370 (2003) 712
Iwasawa, Y., see Onda, K. 370 (2003) 437
- Jacob, R.E., B. Driehuys and B. Saam, Fundamental mechanisms of ^3He relaxation on glass 370 (2003) 261
Jansson, C.M., see Hjelte, I. 370 (2003) 781
Jensen, R.H., S.G. Fougère and W.J. Balfour, Laser-induced fluorescence and dispersed fluorescence spectroscopy, isotopic studies, and lifetime measurements for rhodium monoxide 370 (2003) 106
Jiang, Y., see Meng, X.M. 370 (2003) 825
Jordan, M.J.T. and K.C. Thompson, The response of a molecule to an external electric field: predicting structural and spectroscopic change 370 (2003) 14
Jun-Qian, L., see Sheng-Chang, X. 370 (2003) 170
Jundt, G., H. Vach, N. Chaâbane, Q. Brulin and G.H. Peslherbe, Rotational cooling and translational trapping during the thermal evaporation of free nitrogen clusters 370 (2003) 504
Junell, P., see Hirsimäki, M. 370 (2003) 247
- Kable, S.H., see Owens, N.L. 370 (2003) 469
Kadossov, E.B., P. Rajasekar and N.F. Materer, Adsorption and decomposition pathways for ICN on Si(100)-(2 × 1) 370 (2003) 548
Kaito, A., see Kato, H. 370 (2003) 154
Kajimoto, O., see Sekiguchi, K. 370 (2003) 303
Kang, C.-H., see Ma, G. 370 (2003) 293
Kang, S.-Z., S.-L. Xu, G. Deng, P. Wu, Q. Fan, C. Wang, L. Wan and C. Bai, Langmuir film behaviors of dendrons at water–air interface 370 (2003) 542
Kanya, R. and Y. Ohshima, Determination of dipole moment change on the electronic excitation of isolated Coumarin 153 by pendular-state spectroscopy 370 (2003) 211
Kapoor, S. and T. Mukherjee, Photochemical formation of copper nanoparticles in poly(*N*-vinylpyrrolidone) 370 (2003) 83
Karatsu, T., see Kato, H. 370 (2003) 154
Karotki, A., see Drobizhev, M. 370 (2003) 690
Karpfen, A., see Lipkowski, P. 370 (2003) 74
Kato, H., T. Karatsu, A. Kaito, K. Shimada and A. Kitamura, Effects of oxygen atom in the side chain on physical and optical properties of dodecapentoxypentasilane 370 (2003) 154
Kawaguchi, K., see Shimizu, Y. 370 (2003) 774
Kawamata, H., T. Maeyama and N. Mikami, First observation of ionic π -hydrogen bonds; vibrational spectroscopy of dihydrated naphthalene anion ($\text{Nph}^-(\text{H}_2\text{O})_2$) 370 (2003) 535
Keir, R.I., see Ritchie, G.L.D. 370 (2003) 376
Kesavamoorthy, R., see Dhara, S. 370 (2003) 254
Kimura, K., see Yamada, T. 370 (2003) 132
King, G.C., see Yench, A.J. 370 (2003) 756
Kitamura, A., see Kato, H. 370 (2003) 154
Kitaura, K., see Ikeda, T. 370 (2003) 218
Kleyn, A.W., see Roke, S. 370 (2003) 227
Klymenko, Y., see Malysheva, L. 370 (2003) 451
Kobayashi, N., see Ishii, K. 370 (2003) 94
Kodaira, T., see Shimizu, Y. 370 (2003) 774

- Koll, A., see Lipkowski, P. 370 (2003) 74
- Koshizaki, N., see Shimizu, Y. 370 (2003) 774
- Kozak, J.J., see Bentz, J.L. 370 (2003) 319
- Krivokapic, A., see Drobizhev, M. 370 (2003) 690
- Kropman, M.F. and H.J. Bakker, Vibrational relaxation of liquid water in ionic solvation shells 370 (2003) 741
- Kruk, M., see Drobizhev, M. 370 (2003) 690
- Kubota, T., N. Hosomi, Y. Hamasaki and Y. Okamoto, An XAFS study of the S–Se exchange during the reaction of selenophene over Mo sulfide catalysts 370 (2003) 813
- Kudin, K.N., see Avramov, P.V. 370 (2003) 597
- Kudoh, S., see Futami, Y. 370 (2003) 460
- Küppers, J., see Wehner, S. 370 (2003) 126
- Küppers, J., see Zecho, T. 370 (2003) 366
- Kurita, N., H. Inoue and H. Sekino, Adjustment of Perdew-Wang exchange functional for describing van der Waals and DNA base-stacking interactions 370 (2003) 161
- Laaksonen, A., see Danielsson, J. 370 (2003) 625
- Lacks, D.J., see Rives, C. 370 (2003) 700
- Lane, S.M., see Hollars, C.W. 370 (2003) 393
- Lau, K., Interfacial bonding characteristics of nanotube/polymer composites 370 (2003) 399
- Launay, J.-M., see Honvault, P. 370 (2003) 371
- Lavalley, J.-C., see Hadjiivanov, K. 370 (2003) 712
- Leclerc, M., see Tirapattur, S. 370 (2003) 799
- Lee, S.T., see He, P. 370 (2003) 795
- Lee, C.S., see Meng, X.M. 370 (2003) 825
- Lee, S.T., see Meng, X.M. 370 (2003) 825
- Lee, C.S., see He, P. 370 (2003) 795
- Lee, S.T., see Sun, X.H. 370 (2003) 425
- Lee, C.S., see Sun, X.H. 370 (2003) 425
- Lee, J.M., see Chen, J.M. 370 (2003) 180
- Léonard, C., S. Carter and N.C. Handy, The barrier to inversion of ammonia 370 (2003) 360
- Leonov, I., see Belov, S.P. 370 (2003) 528
- Li, Z.-S., see Hao, X.-Y. 370 (2003) 665
- Li, F., see Shen, G. 370 (2003) 334
- Li, Z.-R., see Hao, X.-Y. 370 (2003) 665
- Li, F., see Yang, Q.H. 370 (2003) 274
- Liao, L.S., see Sun, X.H. 370 (2003) 425
- Liedberg, B., see Malysheva, L. 370 (2003) 451
- Lin, J.-Y., see Chen, J.M. 370 (2003) 180
- Lin, J., J.L. Lin and W.B. Tzeng, Mass analyzed threshold ionization spectroscopy of *p*-methoxyaniline cation and influence of the OCH₃ substituent 370 (2003) 44
- Lin, J.L., see Lin, J. 370 (2003) 44
- Lipkowski, P., A. Koll, A. Karpfen and P. Wolschann, Steric enhancement of the strength of intramolecular hydrogen bond in 3-Cl substituted 2-(*N*-dimethylamino-methyl) phenols 370 (2003) 74
- Liu, L., see Gao, X. 370 (2003) 661
- Liu, S.Y., see He, P. 370 (2003) 795
- Liu, Y., see Yang, Y. 370 (2003) 1

- Liu, S.J., see Chen, J.M. 370 (2003) 180
Liu, M.W., see Sun, X.H. 370 (2003) 425
Loeser, T., D. Freude, G.T.P. Mabande and W. Schwieger, ^{17}O NMR studies of sodalites 370 (2003) 32
Lu, S., see Peng, H. 370 (2003) 485
Lubimova, O.O., see Baranovski, V.I. 370 (2003) 636
Lucchese, R.R., see Belov, S.P. 370 (2003) 528
- Ma, G., J. He, C.-H. Kang and S.-H. Tang, Excited state dynamics studies of iron(III) phthalocyanine using femtosecond pump–probe techniques 370 (2003) 293
Ma, R. and Y. Bando, Uniform MgO nanobelts formed from in situ Mg_3N_2 precursor 370 (2003) 770
Mabande, G.T.P., see Loeser, T. 370 (2003) 32
Maestrelli, F., see Melani, F. 370 (2003) 280
Maeyama, T., see Kawamata, H. 370 (2003) 535
Magudapathy, P., see Dhara, S. 370 (2003) 254
Malins, A.E.R., see Yench, A.J. 370 (2003) 756
Malysheva, L., Y. Klymenko, A. Onipko, R. Valiokas and B. Liedberg, Ab initio calculations of equilibrium geometries and vibrational excitations of helical ethylene-glycol oligomers: application to modeling of monolayer infrared spectra 370 (2003) 451
Manca, C., see Coussan, S. 370 (2003) 118
Manke II, G.C., see Wisniewski, C.F. 370 (2003) 591
Manoilova, O.V., see Otero Areán, C. 370 (2003) 631
Maofa, G., see Yamada, T. 370 (2003) 132
Marchetti, S., see Bonincontro, A. 370 (2003) 387
Martínez-Ávila, M., J. Peiró-García, V.M. Ramírez-Ramírez and I. Nebot-Gil, Ab initio study on the mechanism of the $\text{HCO} + \text{O}_2 \rightarrow \text{HO}_2 + \text{CO}$ reaction 370 (2003) 313
Martins, L.R. and M.S. Skaf, Computer simulations of the solvation dynamics of Coumarin 153 in dimethylsulfoxide 370 (2003) 683
Mashiko, S., see Yamada, T. 370 (2003) 132
Materer, N.F., see Kadossov, E.B. 370 (2003) 548
McElmurry, B.A., see Belov, S.P. 370 (2003) 528
Melani, F., P. Mura, M. Adamo, F. Maestrelli, P. Gratteri and C. Bonaccini, New docking CFF91 parameters specific for cyclodextrin inclusion complexes 370 (2003) 280
Mendizabal, F., P. Pyykkö and N. Runeberg, Auophilic attraction: the additivity and the combination with hydrogen bonds 370 (2003) 733
Meng, X.M., J.Q. Hu, Y. Jiang, C.S. Lee and S.T. Lee, Boron nanowires synthesized by laser ablation at high temperature 370 (2003) 825
Merlitz, H., B. Burghardt and W. Wenzel, Application of the stochastic tunneling method to high throughput database screening 370 (2003) 68
Meyer, G., see Hla, S.-W. 370 (2003) 431
Miao, L., see Dong, J. 370 (2003) 240
Michaelian, K., A. Taméz and I.L. Garzón, Efficient statistical mapping of energy surfaces of nanoclusters and molecules 370 (2003) 654
Mikami, N., see Kawamata, H. 370 (2003) 535
Miki, H., see Namiki, K.C. 370 (2003) 62
Mitas, L., see Wagner, L. 370 (2003) 412
Mitchell, G.E., see Schöll, A. 370 (2003) 834

- Mohanty, J., H. Pal, S.K. Nayak, S. Chattopadhyay and A.V. Sapre, Photoinduced dissociative electron transfer (DET) interactions in methoxycalixarene–chloroalkane systems 370 (2003) 641
- Morokuma, K., see Tschumper, G.S. 370 (2003) 418
- Morrone, J.A. and M.E. Tuckerman, A simple quantum mechanical/molecular mechanical (QM/MM) model for methanol 370 (2003) 406
- Mukherjee, T., see Kapoor, S. 370 (2003) 83
- Mura, P., see Melani, F. 370 (2003) 280
- Nagayoshi, K., see Ikeda, T. 370 (2003) 218
- Nair, K.G.M., see Dhara, S. 370 (2003) 254
- Nakata, M., see Futami, Y. 370 (2003) 460
- Namiki, K.C., H. Miki and H. Ito, Dependence of the electronic transition moment for the $C^3\Delta-X^3\Delta$ system of TiO on the internuclear distance 370 (2003) 62
- Nastalczyk, J., see Gojny, F.H. 370 (2003) 820
- Nauta, K., see Owens, N.L. 370 (2003) 469
- Nayak, S.K., see Mohanty, J. 370 (2003) 641
- Nebot-Gil, I., see Martínez-Ávila, M. 370 (2003) 313
- Nielsen, N.C., see Bjerring, M. 370 (2003) 496
- Niroomand Hosseini, F., see Bentz, J.L. 370 (2003) 319
- Nyeland, C., Gradient expansions in density functional calculations of intermolecular potentials 370 (2003) 353
- Ohashi, M. and M. Ozeki, Adsorption dynamics of GaCl on GaAs(001) 2×4 β_2 : relaxation of molecules by collision on a highly corrugated surface 370 (2003) 112
- Ohshima, Y., see Kanya, R. 370 (2003) 211
- Okamoto, Y., see Kubota, T. 370 (2003) 813
- Onda, K., Y. Iwasawa and A. Wada, Vibrational relaxation of adsorbate and adsorbent in the CO-adsorbed DM-20 zeolite system 370 (2003) 437
- Onipko, A., see Malysheva, L. 370 (2003) 451
- Onori, G., see Bonincontro, A. 370 (2003) 387
- Otero Areán, C., O.V. Manoilova, B. Bonelli, M. Rodríguez Delgado, G. Turnes Palomino and E. Garrone, Thermodynamics of hydrogen adsorption on the zeolite Li-ZSM-5 370 (2003) 631
- Owens, N.L., K. Nauta, S.H. Kable, N.L. Haworth and G.B. Bacskay, An experimental and theoretical investigation of the triple fragmentation of $CFCIBr_2$ by photolysis near 250 nm 370 (2003) 469
- Owrutsky, J.C., see Zhong, Q. 370 (2003) 609
- Ozeki, M., see Ohashi, M. 370 (2003) 112
- Pal, H., see Mohanty, J. 370 (2003) 641
- Panigrahi, B.K., see Dhara, S. 370 (2003) 254
- Papadopoulos, M.G., see Avramopoulos, A. 370 (2003) 765
- Paula, J.C.d.F., see Pavão, A.C. 370 (2003) 789
- Pavão, A.C., J.C.d.F. Paula, R. Custodio and C.A. Taft, An electron transfer mechanism of O_4 formation 370 (2003) 789
- Pecul, M. and A. Rizzo, Relativistic effects on the electric polarizabilities and their geometric derivatives for hydrogen halides and dihalogens – a Dirac–Hartree–Fock study 370 (2003) 578

- Peiró-García, J., see Martínez-Ávila, M. 370 (2003) 313
- Peng, H., H. Song, B. Chen, S. Lu and S. Huang, Spectral difference between nanocrystalline and bulk $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$ 370 (2003) 485
- Peslherbe, G.H., see Jundt, G. 370 (2003) 504
- Piancastelli, M.N., see Hjelte, I. 370 (2003) 781
- Pomerantz, A.E. and R.N. Zare, Doppler-free multi-photon ionization: a proposal for enhancing ion images 370 (2003) 515
- Premila, M., see Dhara, S. 370 (2003) 254
- Pu, X., see Wang, W. 370 (2003) 147
- Pyykkö, P., see Mendizabal, F. 370 (2003) 733
- Qian, Y., see Shen, G. 370 (2003) 334
- Quiñonero, D., see Garau, C. 370 (2003) 7
- Quirke, N., see Cubero, D. 370 (2003) 21
- Quitevis, E.L., see Hyun, B.-R. 370 (2003) 725
- Raimondi, M., see Calderoni, G. 370 (2003) 233
- Rajasekar, P., see Kadossov, E.B. 370 (2003) 548
- Ramírez-Ramírez, V.M., see Martínez-Ávila, M. 370 (2003) 313
- Randall Truman, C., see Wisniewski, C.F. 370 (2003) 591
- Rebane, A., see Drobizhev, M. 370 (2003) 690
- Reinhardt, P., The decomposition of intermolecular interaction energies in localized orbitals – critical analysis and an invariance 370 (2003) 338
- Rieder, K.-H., see Hla, S.-W. 370 (2003) 431
- Riesen, H. and J.L. Hughes, Memory of low magnetic fields in persistent spectral hole-burning of the $^2\text{E} \leftarrow ^4\text{A}_2$ spin-flip transition in $\text{NaMgAl}(\text{oxalate})_3 \cdot 9\text{H}_2\text{O} : \text{Cr}(\text{III})$ 370 (2003) 26
- Rigby, C., see Dessent, C.E.H. 370 (2003) 52
- Ritchie, G.L.D., J.N. Watson and R.I. Keir, Temperature dependence of electric field-gradient induced birefringence (Buckingham effect) and molecular quadrupole moment of N_2 . Comparison of experiment and theory 370 (2003) 376
- Rives, C. and D.J. Lacks, Avalanches and self-organized criticality in simulations of particle piles 370 (2003) 700
- Rizzo, A., see Pecul, M. 370 (2003) 578
- Rodríguez Delgado, M., see Otero Areán, C. 370 (2003) 631
- Roke, S., A.W. Kley and M. Bonn, Time- vs. frequency-domain femtosecond surface sum frequency generation 370 (2003) 227
- Roslaniec, Z., see Gojny, F.H. 370 (2003) 820
- Roubin, P., see Coussan, S. 370 (2003) 118
- Runeberg, N., see Mendizabal, F. 370 (2003) 733
- Russo, M.V., see Cametti, C. 370 (2003) 602
- Saam, B., see Jacob, R.E. 370 (2003) 261
- Sadlej, A.J., see Avramopoulos, A. 370 (2003) 765
- Samsonidze, G.G., see Corio, P. 370 (2003) 675
- Santos, P.S., see Corio, P. 370 (2003) 675
- Santucci, A., see Bonincontro, A. 370 (2003) 387
- Sapre, A.V., see Mohanty, J. 370 (2003) 641
- Sarsa, A., see Gálvez, F.J. 370 (2003) 327
- Sasaki, T., see Shimizu, Y. 370 (2003) 774

- Saussey, J., see Hadjiivanov, K. 370 (2003) 712
- Schöll, A., R. Fink, E. Umbach, G.E. Mitchell, S.G. Urquhart and H. Ade, Towards a detailed understanding of the NEXAFS spectra of bulk polyethylene copolymers and related alkanes 370 (2003) 834
- Schulte, K., see Gojny, F.H. 370 (2003) 820
- Schwieger, W., see Loeser, T. 370 (2003) 32
- Schwingenschlögl, U., V. Eyert and U. Eckern, Octahedral tilting in $\text{ACu}_3\text{Ru}_4\text{O}_{12}$ (A=Na, Ca, Sr, La, Nd) 370 (2003) 719
- Scuseria, G.E., see Avramov, P.V. 370 (2003) 597
- Seifert, G., Stimulated Raman gain spectroscopy of low-frequency density of states in liquids by picosecond IR laser pulses 370 (2003) 309
- Sekiguchi, K., A. Shimojima and O. Kajimoto, Intramolecular vibrational redistribution of CH_2I_2 dissolved in supercritical Xe 370 (2003) 303
- Sekino, H., see Kurita, N. 370 (2003) 161
- Settersten, T.B., R.L. Farrow and J.A. Gray, Coherent infrared–ultraviolet double-resonance spectroscopy of CH_3 370 (2003) 204
- Shen, G., D. Chen, K. Tang, F. Li and Y. Qian, Large-scale synthesis of uniform urchin-like patterns of Bi_2S_3 nanorods through a rapid polyol process 370 (2003) 334
- Sheng-Chang, X., L. Jun-Qian and Z. Yong-Fan, Effect of halogen displacements on the exchange coupling in methyloxo-bridged binuclear copper (II) complexes: a density functional study 370 (2003) 170
- Shi, J., see Yang, Y. 370 (2003) 1
- Shih, Z.Y., see Guo, F. 370 (2003) 572
- Shimada, K., see Kato, H. 370 (2003) 154
- Shimizu, S., see Ishii, K. 370 (2003) 94
- Shimizu, Y., T. Sasaki, T. Kodaira, K. Kawaguchi, K. Terashima and N. Koshizaki, Fabrication of carbon nanotube assemblies on Ni–Mo substrates mimics law of natural forest growth 370 (2003) 774
- Shimojima, A., see Sekiguchi, K. 370 (2003) 303
- Shinohara, H., see Yamada, T. 370 (2003) 132
- Skaf, M.S., see Martins, L.R. 370 (2003) 683
- Skurski, P., see Anusiewicz, I. 370 (2003) 345
- Smith, C.D., see Ishii, K. 370 (2003) 94
- Sokolovski, D., Glory and thresholds effects in $\text{H} + \text{D}_2$ reactive angular scattering 370 (2003) 805
- Song, H., see Peng, H. 370 (2003) 485
- Sorensen, S.L., see Hjelte, I. 370 (2003) 781
- Stampfuß, P. and W. Wenzel, Accurate multireference calculations of the electron affinity of NO, BO and O_2 370 (2003) 478
- Steinhurst, D.A., see Zhong, Q. 370 (2003) 609
- Su, G.-J., S.-X. Yin, L.-J. Wan, J.-C. Zhao and C.-L. Bai, A dimeric structure of eosin molecules on Au(111) surface 370 (2003) 268
- Sun, C.-C., see Hao, X.-Y. 370 (2003) 665
- Sun, L., Y. Bu and S. Yan, Theoretical prediction of the state–state correlation among doublet state SNO isomers 370 (2003) 616
- Sun, X.H., L.F. Cheng, M.W. Liu, L.S. Liao, N.B. Wong, C.S. Lee and S.T. Lee, Photoelectron spectroscopic study of iodine- and bromine-treated indium tin oxides and their interfaces with organic films 370 (2003) 425
- Svensson, S., see Hjelte, I. 370 (2003) 781

- Tachikawa, H., Electron capture dynamics of the water dimer: a direct ab initio dynamics study 370 (2003) 188
- Taft, C.A., see Pavão, A.C. 370 (2003) 789
- Takayanagi, M., see Futami, Y. 370 (2003) 460
- Taméz, A., see Michaelian, K. 370 (2003) 654
- Tang, K., see Shen, G. 370 (2003) 334
- Tang, S.-H., see Ma, G. 370 (2003) 293
- Tapia, O., see Arteca, G.A. 370 (2003) 555
- Terashima, K., see Shimizu, Y. 370 (2003) 774
- Thompson, K.C., see Jordan, M.J.T. 370 (2003) 14
- Tian, A., see Wang, W. 370 (2003) 147
- Tirapattur, S., M. Belletête, N. Drolet, M. Leclerc and G. Durocher, Steady-state and time-resolved studies of 2,7-carbazole-based conjugated polymers in solution and as thin films: determination of their solid state fluorescence quantum efficiencies 370 (2003) 799
- Tscherbul, T.V. and A.A. Buchachenko, Modeling of the non-adiabatic $E0_g^+ \rightarrow D0_u^+$ transitions induced by Ar in molecular iodine: a first attempt 370 (2003) 563
- Tschumper, G.S., M.C. Heaven and K. Morokuma, Concerning the stability of dichlorodiazene 370 (2003) 418
- Tuckerman, M.E., see Morrone, J.A. 370 (2003) 406
- Turnes Palomino, G., see Otero Areán, C. 370 (2003) 631
- Tzeng, W.B., see Lin, J. 370 (2003) 44
- Umbach, E., see Schöll, A. 370 (2003) 834
- Urquhart, S.G., see Schöll, A. 370 (2003) 834
- Vach, H., see Jundt, G. 370 (2003) 504
- Valden, M., see Hirsimäki, M. 370 (2003) 247
- Valiokas, R., see Malysheva, L. 370 (2003) 451
- van Hemert, M.C. and R. van Harrevelt, Photodissociation of warm water: ab initio calculations of the room-temperature absorption spectrum 370 (2003) 706
- van Hemert, M.C., see van Harrevelt, R. 370 (2003) 706
- Veluri, K., see Arteca, G.A. 370 (2003) 555
- Wada, A., see Onda, K. 370 (2003) 437
- Wagner, L. and L. Mitas, A quantum Monte Carlo study of electron correlation in transition metal oxygen molecules 370 (2003) 412
- Wan, L., see Kang, S.-Z. 370 (2003) 542
- Wan, L.-J., see Su, G.-J. 370 (2003) 268
- Wang, W., X. Pu, W. Zheng, N.-B. Wong and A. Tian, Hyperconjugation versus intramolecular hydrogen bond: origin of the conformational preference of gaseous glycine 370 (2003) 147
- Wang, C., see Kang, S.-Z. 370 (2003) 542
- Wang, G., see Yang, Q.H. 370 (2003) 274
- Wang, S.D., see He, P. 370 (2003) 795
- Wang, J.B., see Zhang, C.Y. 370 (2003) 522
- Wang, W., A. Buchholz, A. Arnold, M. Xu and M. Hunger, Effect of surface methoxy groups on the ^{27}Al quadrupole parameters of framework aluminum atoms in calcined zeolite H-Y 370 (2003) 88

- Wang, T., D. Du and F. Gai, Helix-coil kinetics of two 14-residue peptides 370 (2003) 842
- Watson, J.N., see Ritchie, G.L.D. 370 (2003) 376
- Weber, V. and C. Daul, Improved coupled perturbed Hartree-Fock and Kohn-Sham convergence acceleration 370 (2003) 99
- Wehner, S., F. Baumann and J. Küppers, Kinetic hysteresis in the CO oxidation reaction on Ir(111) surfaces 370 (2003) 126
- Wei, T.-H., see Chou, P.-T. 370 (2003) 747
- Wenzel, W., see Merlitz, H. 370 (2003) 68
- Wenzel, W., see Stampfuß, P. 370 (2003) 478
- Wiesner, K., see Hjelte, I. 370 (2003) 781
- Wisniewski, C.F., K.B. Hewett, G.C. Manke II, C. Randall Truman and G.D. Hager, Direct measurements of fluorine atom concentration, gain length and small signal gain in an hydrogen fluoride overtone laser 370 (2003) 591
- Wolschann, P., see Lipkowski, P. 370 (2003) 74
- Wong, N.B., see Sun, X.H. 370 (2003) 425
- Wong, W.K., see He, P. 370 (2003) 795
- Wong, N.-B., see Wang, W. 370 (2003) 147
- Wu, P., see Kang, S.-Z. 370 (2003) 542
- Wu, Z.J., Theoretical study on PbS, PbO and their anions 370 (2003) 39
- Wu, D., see Hao, X.-Y. 370 (2003) 665
- Wu, Z.J., Density functional study of W₂ and W₃ clusters 370 (2003) 510
- Wu, G.-R., see Chou, P.-T. 370 (2003) 747
- Wu, C.T., see Dhara, S. 370 (2003) 254
- Xu, S.-L., see Kang, S.-Z. 370 (2003) 542
- Xu, M., see Wang, W. 370 (2003) 88
- Yamada, T., H. Shinohara, G. Maofa, S. Mashiko and K. Kimura, A molecular-beam apparatus with a spray-jet technique for studying neutral non-volatile molecules 370 (2003) 132
- Yan, S., see Sun, L. 370 (2003) 616
- Yang, G.W., see Zhang, C.Y. 370 (2003) 522
- Yang, H.D., see Chen, J.M. 370 (2003) 180
- Yang, Q.H., S. Bai, T. Fournier, F. Li, G. Wang, H.M. Cheng and J.B. Bai, Direct growth of macroscopic fibers composed of large diameter SWNTs by CVD 370 (2003) 274
- Yang, Y., J. Shi, H. Chen, S. Dai and Y. Liu, Enhanced off-resonance optical nonlinearities of Au@CdS core-shell nanoparticles embedded in BaTiO₃ thin films 370 (2003) 1
- Yen, S.-Y., see Hu, W.-P. 370 (2003) 139
- Yencha, A.J., A.E.R. Malins and G.C. King, Threshold photoelectron spectroscopy of iodine monobromide 370 (2003) 756
- Yin, S.-X., see Su, G.-J. 370 (2003) 268
- Yong-Fan, Z., see Sheng-Chang, X. 370 (2003) 170
- You, R.-M., see Hu, W.-P. 370 (2003) 139
- Yu, Z., see Gao, H. 370 (2003) 302
- Yu, W.-S., see Chou, P.-T. 370 (2003) 747
- Zare, R.N., see Pomerantz, A.E. 370 (2003) 515
- Zecho, T., A. Güttler and J. Küppers, Suppression of D adsorption and D by H abstraction on graphite (0001) surfaces by adsorbed water 370 (2003) 366

- Zhang, C.Y., X.L. Zhong, J.B. Wang and G.W. Yang, Room-temperature growth of cubic nitride boron film by RF plasma enhanced pulsed laser deposition 370 (2003) 522
- Zhao, J.-C., see Su, G.-J. 370 (2003) 268
- Zheng, W., see Wang, W. 370 (2003) 147
- Zhong, Q., D.A. Steinhurst, A.P. Baronavski and J.C. Owrutsky, Ultrafast dissociation dynamics of ketones at 195 nm 370 (2003) 609
- Zhong, X.L., see Zhang, C.Y. 370 (2003) 522
- Zhou, M., see Dong, J. 370 (2003) 240
- Zhou, Z., see Gao, H. 370 (2003) 302